



Course Information

- Semester and Year: Spring 2026
- Course Title: Architectural Computer Aided Design I: Introduction
- Course Prefix and Number: ARC 111
- Section Number: 22446
- Credit Hours: 3
- Start Date: 1/26/26
- End Date: 5/15/26
- Room Number: AP 294, Mac Lab
- Meeting Days: Monday
- Meeting Times: 12:00PM – 2:30PM
- Class Format: Hybrid In-Person

Instructor Information

- Instructor: Cherise “CJ” Robb
- Email: cherise.robb@scottsdalecc.edu
- Phone: Text only: 480-251-5792
- Office Location: AP 244 in Main AP building
- Office Hours:

Monday: 2:30 – 3:30PM – in AP 294 Mac Lab

Tuesday: 2:15 – 3:15PM – in AP 244, Instructor Office

Wednesday: Virtual & By appointment only

Thursday: 12:30 – 1:30PM – in AP 294 Mac Lab

Course Description

Introduction to Computer-aided drafting (CAD) for the creation of construction documents including annotated plans, elevations, schedules and schematic section views. Dimensions, notes, and symbols to be included in the set of construction documents.

Prerequisites and/or Corequisites

- No prerequisites or corequisites required

Course Competencies

1. Manage drawing files, including creating, naming, saving, updating, copying, and inserting files.
2. Configure drawing settings with typical architectural formats.

3. Utilize a block library.
4. Apply basic commands typical to architectural drawings.
5. Produce blocks.
6. Demonstrate knowledge of architectural terminology.
7. Produce plans and elevation drawings.
8. Plot drawings at various scales on paper sizes using Paper Space.
9. Apply industry standard scale factors for digital and print drawing production.
10. Apply architecturally formatted annotation styles.
11. Apply XREF Manager to architecturally formatted drawing files into annotated plan, furniture plan, and elevation.

General Education & Institutional Learning Outcomes

General Education provides foundational learning experiences that contribute to academic and career success. It is reflected in [Scottsdale Community College's Institutional Learning Outcomes](#): Arts & Humanities Awareness, Career Readiness, Critical Thinking and Problem Solving, Effective Communication, Information Literacy, and Social Responsibility.

Students that take ARC 111 will develop higher critical thinking and problem-solving skills and effective communication skills. Students that take ARC 111 will be engaged in the Arts & Humanities Awareness Institutional Learning Outcome through an exploration of a particular period of design, the Arts and Crafts era.

Students will learn how to problem solve in AutoCAD by comparing different *draw* and *modify* commands to produce specific drawing types utilized in the architecture and interior design industry. Students will learn how to finalize drawing sheets through a series of combined AutoCAD commands. This fulfills the institutional learning outcome for Critical Thinking.

Students will develop effective communication skills as it relates to the language of drawing production within the architecture and interior design industry. Specific communication types that are developed in this class include: object dimensioning, annotation through callouts and keynotes, schedules, title bar, and title block attribute text. This fulfills the institutional learning outcome for Effective Communication.

Students will also be introduced to a period of historical design, the Arts and Crafts movement by designing and detailing period elements of a bungalow located in Kuau'i, HI. Students will learn more about this period of American architecture through hands-on development of millwork details, such as door, window, base, chair rail, header, and cabinet drawings in plan view, elevation and section views, isometric, and drawing details. This fulfills the institutional learning outcome for Arts & Humanities.

Program Learning Outcomes

Credit-bearing courses at Scottsdale Community College can count toward the completion of a degree or certificate program. Each program has Program Learning Outcomes, which are learned assets that students can claim to have acquired by completing their academic or occupational program at SCC. Program Learning Outcomes can be found on the [Degrees and Certificates page](#) of the SCC Website. For each degree, look under "What You'll Learn."

This course most directly applies to the Micro certification in AutoCAD, emphasis in **ARC** program with the following Program Learning Outcomes:

1. Apply current standards in dimensioning, symbology, linetypes, lineweights, drawing notes for working drawings, design related drawings to read, interpret, and produce construction documents and portfolio-quality working drawings. (ARC111, ARC112,)
2. Use the latest 2D parametric modeling CAD software to develop technical drawings in a manner that is efficient and compliant with standard industry practices. (ARC111, ARC112)
3. Apply construction industry codes and standards. (ARC111, ARC112)
4. Produce multi-view layouts, sections, details, working drawings, and building components schedules. (ARC111, ARC112)
5. Communicate with others in verbal and in written form to collaboratively solve complex problems within the discipline. (ARC111, ARC112)

Texts and Course Materials

The interactive e-book requirement for this course:

Digital Production Practices for Designers.

Author: Cherise J Robb

ISBN: 9798385130344

Publisher: KHP Content

Kendall Hunt Publishing

Additional Course Materials (provided to you):

Each week you will be provided printed materials to insert into the 3-ring CAD Manual provided to you. A blank compendium journal is also provided and considered part of the course requirements toward the overall grade percentage.

Course Policies

The following are policies specific to this course. Students are also responsible for the college policies included on the [Student Regulations](#) page of the Maricopa Community College District website.

You must comply with the course policies of **ARC 111 Architectural CAD: Introduction** as defined by the SCC Student Handbook (where applicable) and classroom policies set by the instructor of record.

You will be encouraged to attend class regularly (see Attendance Policy); note policy on makeup work in the event you are unable to attend a face-to-face class session.

You will have weekly deadlines to submit progress on projects (in-class work) and Lab assignments (homework). Each week you will be asked to photo document your weekly compendium journal entry.

There are quizzes in the Kendall Hunt Publication as well as quizzes in Canvas.

Students that attend in-person (Face-to-Face) meetings may perform better than students that do not regularly attend class, although this varies among students based on ease of comfort with technology and knowledge of basic drafting principles.

Attendance Policy

There is no point deduction for not attending class in person. However, you are still required to meet all deadlines posted in Canvas. Most students indicate it is more difficult to complete AutoCAD specific assignments on their own compared to working on projects in the classroom setting with the help of the instructor and classmates. Students are encouraged to work collaboratively on assignments, homework, compendia journaling, and quizzes.

It is important that you submit all projects, assignments, compendium photos, and quizzes by the due dates listed. Late projects, assignments, and compendium submissions will not be accepted. However, if you submit any work by the due date, you may resubmit the work any time during the semester to earn up to full point value.

It is HIGHLY recommended that you download the Canvas Instructure app onto your smartphone so that you can make quick submissions you need to meet a deadline and do not have immediate access to a computer.

PROFESSIONALISM:

Professional conduct is 10% of your overall grade. This is an opportunity to practice habits that are specific to working in the design industry:

- Consistent attendance and/or keep up with weekly assignments.
- Maintain positive attitude.
- Communicate effectively through email following class email protocol, “netiquette”.
- Attempt to meet weekly assignment and homework deadlines.
- Try new methods of learning and problem solving
- Do not give up; ask for help as needed.
- Communicate with classmates about AutoCAD; we learn more from each other than from books and videos.
- Do not lose your temper; try to stay calm.
- Remember that your instructor is on your side; I want you to succeed.

Minimum course expectations include the number of hours students are expected to spend outside of class (weekly) completing coursework. Students are encouraged to use the [Time Management Calculator](#) to help estimate their weekly time commitment for classes.

MAKE-UP work for Face-to-Face meetings:

Log in to Canvas and read the weekly requirements. Watch video lectures in place of the Live lecture and fill out the compendium journal for the week based on the lecture video. Try working on the project by following the lectures video. Turn in whatever you have finished by the specified project deadline. If you need further assistance from the instructor, please attend the Open Lab times listed

in this syllabus, or make an appointment for meeting virtually. You will need the Zoom app to share your screen in virtual meetings.

If you are unable to attend the Face-to-Face class meeting you are still responsible for meeting the weekly deadlines: projects, lab assignments (homework), quizzes, and compendium journal videos.

Instructional Contact Hours and Minimum Course Expectations

Instructional contact hours for this class are 6.0 hours minimum per week. Maricopa Community Colleges have designated 2.5 hours of in-person time for this class and 3.5 hours of lab time on your own. See Open Lab times in syllabus.

A typical student can expect to work 6 – 8 hours on the course content outside of this class each week.

Course Technologies

View the [Accessibility Statements & Privacy Policies](#) of the technologies used in this course. The [SCC Help Desk](#) provides students with a primary point of contact within SCC for college-supported technology services and technical assistance.

Maricopa Systems

This course uses key Maricopa systems for course management and communication.

- Canvas Learning Management System
- Student Maricopa Gmail Account
- Maricopa Open Educational Resource Learning System (MOER)

Synchronous Communication Tools

This class meets in person. However, if you would like to request a virtual learning session, you will need to download the Zoom app to share your computer screen with the instructor to maximize learning.

Streaming Media/Audio/Video Tools

Videos for this course can be found on YouTube:

www.youtube.com/@cherisejanell

Also: Films on Demand: through the SCC library; links will be provided with assignment.

Student Assignment Tools

This course requires students to participate in or submit assignments using desktop or cloud-based applications.

- Autodesk AutoCAD student subscription
- Google Products
- ScreenPal

- Adobe Creative Cloud
- Smartphone camera/scanner/video

Generative Artificial Intelligence (AI) Policy

Some Generative Artificial Intelligence (AI) Allowed in Specific Circumstances

There are situations and contexts within this course where you may be permitted to use generative AI tools. In these cases, specific guidelines will be provided in the assignment details. If you are unsure if the tool or website you are using is a generative AI tool or if it is permitted on a specific assignment, please contact the instructor for further clarification before submitting your work.

Grading Standards and Practices

Grade Scale

Letter Grade	Points Range
A	90 – 100%
B	80 – 89%
C	70 – 79%
D	60 – 69%
F	0 – 59%

Assignments

Assignment Name	Percent of Grade
Compendium journal photo documentation	10%
Projects (in-class work)	30%
Lab assignments (homework)	40%
Quizzes	10%
Professionalism	10%
TOTAL:	100%

Student/Instructor Interaction

In this course, you can expect regular and substantive interaction (RSI) that aligns with Scottsdale Community College’s mission to provide challenging and supportive learning experiences and the US

Department of Education's requirement for regular and substantive interaction (RSI) for online courses. My commitment to your success includes the following:

- Being available during regularly scheduled office hours as stated in the syllabus.
- Sharing weekly information about the course materials, including key information, explanations, examples, and resources via in-person, recorded, and/or text-based lectures.
- Engaging in weekly discussions about course content within discussion boards in Canvas, forums in MOER, or other discussion-based tools.
- Providing group or individual feedback regularly on assignments.
- Promptly responding to student questions about the course sent via email, MOER messaging, or the Canvas inbox.
- Regularly posting announcements about the course content and activities.
- Monitor your academic progress and communicate concerns, as needed.

Response Time

Students can expect a response time of **24-48 hours** for the instructor to respond to messages sent via the Canvas Learning Management System. Students can expect assignments to be graded within **one week** of the assignment's due date.

Tutoring

SCC's tutors are available online to help with your courses. You may work with an SCC tutor remotely using Google Meet, your phone, or email. Visit the [Tutoring & Learning Centers](#) page for detailed information on the five learning centers' hours and procedures.

If you need to work with a tutor outside regular hours, online and hybrid students now have access to a 24/7 online tutoring service called Brainfuse. To access Brainfuse and begin working with a tutor, visit the [SCC Online Tutoring Services Through Brainfuse](#) page.

MCCCD Policies

MCCCD is committed to providing a safe, fair, and accessible environment for all students. This includes laws such as the ADA and Title IX, which protect against discrimination. These statements explain your rights, available support, and where to go for help or more information. Please review the following policies:

[Classroom Accommodations for Students with Disabilities](#)

[Addressing Incidents of Title IX Sexual Harassment](#)

Students are responsible for the information contained in this syllabus, the Syllabus page in your Canvas course and the **College Policies & Student Services** page found in the First Steps module of your Canvas course. Students will be notified by the instructor of any changes in course requirements or policies.